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DATE: January 25, 2007

PTO IDENTIFIER: Application Number 10/519,364-Conf. #3037  
Patent Number

Inventor: Ingela PETERSSON et al.

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Attorney Dkt. #: 0104-0496PUS1

PAGES (Including Cover Sheet): 67

CONTENTS: Fax Cover Sheet (1 page)  
Certificate of Transmission (1 page)  
Amendment Transmittal (1 page)  
Second Preliminary Amendment (4 pages)  
Substitute Specification (30 pages)  
Marked-Up Substitute Specification (30 pages)

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PTO/SB/97 (09-04)

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Application No. (if known): 10/519,364

Attorney Docket No.: 0104-0496PUS1

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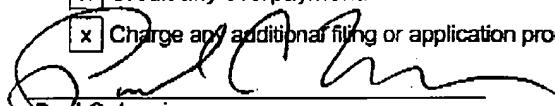
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<b>AMENDMENT TRANSMITTAL LETTER</b>				Docket No. 0104-0496PUS1	
Application No.	Filing Date	Examiner		Art Unit	
10/519,364-Conf. #3037	January 18, 2006	Not Yet Assigned		3762	
Applicant(s): Ingela PETERSSON et al.					
Invention: AN IMPLANT AND A METHOD FOR TREATING AN IMPLANT SURFACE					
<b>MS Amendment</b> Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450					
Transmitted herewith is an amendment in the above-identified application.					
The fee has been calculated and is transmitted as shown below.					
<b>CLAIMS AS AMENDED</b>					
Total Claims	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate	
27	- 27 =	0	x 50.00	0.00	
Independent Claims	4	- 4 =	0	x 200.00	0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify):					
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT:</b> 0.00					
<input checked="" type="checkbox"/> Large Entity <input type="checkbox"/> Small Entity					
<input checked="" type="checkbox"/> No additional fee is required for this amendment.					
<input type="checkbox"/> Please charge Deposit Account No. _____ in the amount of \$ _____. A duplicate copy of this sheet is enclosed.					
<input type="checkbox"/> A check in the amount of \$ _____ is enclosed.					
<input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached.					
<input checked="" type="checkbox"/> The Director is hereby authorized to charge and credit Deposit Account No. <u>02-2448</u> as described below. A duplicate copy of this sheet is enclosed.					
<input checked="" type="checkbox"/> Credit any overpayment.					
<input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.					
Dated: <u>January 25, 2007</u>					
 Paul C. Lewis Attorney Reg. No.: 43,368					
BIRCH, STEWART, KOLASCH & BIRCH, LLP 8110 Gatehouse Road Suite 100 East P.O. Box 747 Falls Church, Virginia 22040-0747 (703) 205-8000					

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Docket No.: 0104-0496PUS1  
(PATENT)

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:  
Ingela PETERSSON et al.

Application No.: 10/519,364

Art Unit: 3762

Filed: January 18, 2006

Examiner: Not Yet Assigned

For: AN IMPLANT AND A METHOD FOR  
TREATING AN IMPLANT SURFACE

**PRELIMINARY AMENDMENT**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**INTRODUCTORY COMMENTS**

The following preliminary amendments and remarks are respectfully submitted in connection with the above-identified application.

This amendment includes:

Amendments to the Specification; and

Remarks.